

Converting Colors

XYZ(45.9753, 29.9758, 5.8358)

Have a look what the booklet for
XYZ(45.9753, 29.9758, 5.8358)
contains.

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Color

**XYZ(45.9883, 29.9988,
5.8491)**

Conversions

Conversions Part 1

Format	Color
Hex	FF612D
RGB	255, 97, 45
RGB Percent	100%, 38%, 18%
CMY	0.0000, 0.6196, 0.8235
CMYK	0.00, 0.62, 0.82, 0.00
HSL	15°, 100%, 59%
HSV	15°, 82%, 100%
XYZ	45.9883, 29.9988, 5.8491
YIQ	138.3140, 110.8600, 17.3240

Conversions

Conversions Part 2

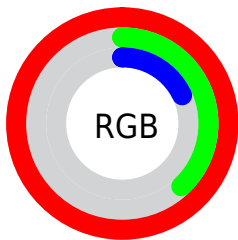
Format	Color
R _Y B	255, 114, 45
Decimal	16736557
CIE Lab	61.65, 57.82, 58.42
CIE LCh	62, 82.194, 45.297
Yxy	29.9988, 0.5620, 0.3666
Android (android.graphics.Color)	4294926637 (0xFFFF612D)
YUV	138.3140, -46.0038, 102.3336
Hunter-Lab	54.7712, 54.0270, 32.0081

Details

The XYZ color **45.9883, 29.9988, 5.8491** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **40.4858, 50.4853, 102.2178**, and the grayscale version is **24.4195, 25.6912, 27.9778**.

A 20% lighter version of the original color is **54.7426, 44.8870, 16.8451**, and **21.8968, 12.2703, 1.2143** is the 20% darker color. If you saturate the color by 10%, you get **44.0735, 26.7326, 3.4758**, and if you desaturate by 10%, it is **48.6289, 34.2441, 9.9244**.

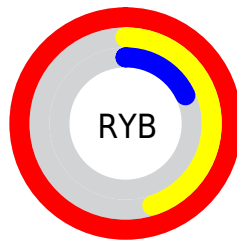
Distribution



Red (100%)

Green (38%)

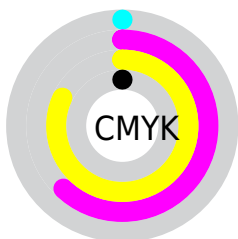
Blue (18%)



Red (100%)

Yellow (45%)

Blue (18%)

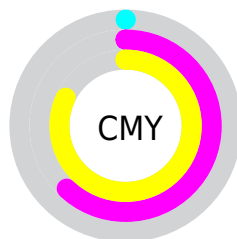


Cyan (0%)

Magenta (62%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9883, 29.9988, 5.8491 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.9883, 29.9988, 5.8491 by changing the saturation by 10% instead.


 45.9883, 29.9988,
5.8491


 45.9883, 29.9988,
5.8491

361.4783,
301.8989, 166.9758

 32.4412, 19.8377,
2.6862


 83.4295, 59.6603,
18.0891

 21.8559, 12.2771,
0.9365


 108.0542, 79.9294,
28.0033

 13.8670, 6.9327,
0.0000

 137.1022,
104.3367, 41.0051

 8.1093, 3.4200,
0.0000

 170.9388,
133.2665, 57.5129

 4.2174, 1.3548,
0.0000

 209.9293,
167.1032, 77.9454

 1.8258, 0.1830,
0.0000

 254.4392,

 0.5332, 0.0000,

206.2313, 102.7210

0.0000

304.8338,
251.0350, 132.2583

■ 0.0000, 0.0000,
0.0000

■ 45.9883, 29.9988,
5.8491

■ 45.9883, 29.9988,
5.8491

■ 44.0735, 26.7326,
3.4758

■ 48.6289, 34.2441,
9.9244

■ 43.0257, 24.8319,
2.5253

■ 52.0680, 39.5383,
15.9540

■ 56.3705, 45.9503,
24.1490

■ 61.5937, 53.5413,
34.6924

■ 67.7894, 62.3679,
47.7479

75.0056, 72.4827,
63.4640

83.2871, 83.9355,
81.9781

92.6756, 96.7733,
103.4178

95.0497, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.9525, 29.9988, 19.2242



45.9883, 29.9988, 5.8491



34.1835, 29.9988, 2.1889

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.9883, 29.9988, 5.8491



12.6391, 29.9988, 19.6505



34.4215, 29.9988, 131.8351

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.9883, 29.9988, 5.8491



40.4858, 50.4853, 102.2178

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.5070, 29.9988, 132.2448



45.9883, 29.9988, 5.8491



12.6719, 29.9988, 51.2442

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.9883, 29.9988, 5.8491



16.0372, 29.9988, 5.9904



16.1424, 29.9988, 96.7935



46.2005, 29.9988, 95.8862

Rectangle

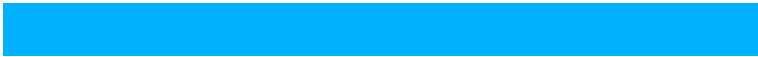
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9883, 29.9988, 5.8491



26.6174, 29.9988, 1.9183



16.1424, 29.9988, 96.7935



30.4965, 29.9988, 136.6442

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.9890, 30.0005, 5.8496



72.9937, 69.6769, 59.0364



53.3186, 27.5929, 60.9081



15.0764, 14.1473, 11.4424



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.9890, 30.0005, 5.8496



43.1484, 25.0545, 2.6351



62.1367, 62.2960, 11.2322



18.3748, 18.7177, 18.7888



22.5800, 13.1712, 1.3522



2.2803, 1.4460, 0.1589

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.4858, 50.4853, 102.2178



37.0366, 45.1459, 101.3697



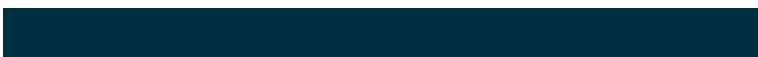
23.7859, 17.0854, 96.6511



18.1515, 19.6745, 23.0908



19.3873, 23.6842, 52.9843



1.9737, 2.4781, 5.1876

Previews

White Background



This preview shows how the XYZ color 45.9883, 29.9988, 5.8491 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.9883, 29.9988, 5.8491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9883, 29.9988, 5.8491

Background



This preview shows how black text looks on a background with the XYZ color 45.9883, 29.9988, 5.8491.



This preview shows how white text looks on a background with the XYZ color 45.9883, 29.9988,

5.8491.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.9883, 29.9988, 5.8491

Protanopia

27.2627, 29.9177, 8.4755

Deuteranopia

30.6216, 30.1212, 5.2986



Tritanopia

47.3590, 29.9705, 14.8441

Trichromacy



Original Color

45.9883, 29.9988, 5.8491

Protanomaly

31.9372, 28.2374, 7.2571

Deuteranomaly

34.9010, 29.0343, 5.2781

Tritanomaly

46.6540, 29.8299, 10.6959

Monochromacy



Original Color

45.9883, 29.9988, 5.8491

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.6377, 24.9892, 16.4107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9883, 29.9988, 5.8491 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 97, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 45)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 97, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 45) }
```

Border

The CSS property to change the border of an element to XYZ 45.9883, 29.9988, 5.8491 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 97, 45) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 97, 45) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 97, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9883, 29.9988, 5.8491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 45) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 97,  
45) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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